

MINELCO®

Micro-Miniature ROTARY SELECTOR SWITCH

\$8 (for one)

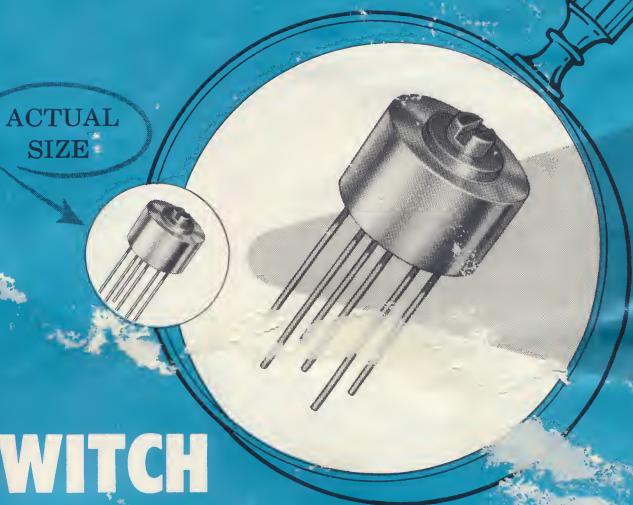
The MINELCO Type SW32 micro-miniature O-ring sealed rotary selector switch provides control of several circuits in an absolute minimum of space. Sturdy detent action gives positive positioning at 60-degree intervals. This switch is ideally suited for miniaturized electronic and communications equipment and testing circuitry.

Contacts are made of silver for low contact resistance which is rated at .05 ohm before, during, and after life at rated load.

Positions are selected by using a small screw driver. A positive stop is factory-installed to limit the number of positions. The unit is also available without a stop permitting unlimited continuous rotation in either direction.

Two standard styles are available. Model SW32 is designed for printed-circuit board mounting and has $\frac{1}{2}$ -inch tinned terminal leads. Model SW37 is the same micro-miniature rotary switch designed for mounting on a panel with $\frac{1}{8}$ " maximum thickness, and has six solder-lug terminals. Teflon-insulated leads are available on request, with a standard length of four inches.

The stainless-steel case measures .350 inch in diameter and is completely sealed against moisture and dust. All epoxies used are non-organic.



FEATURES:

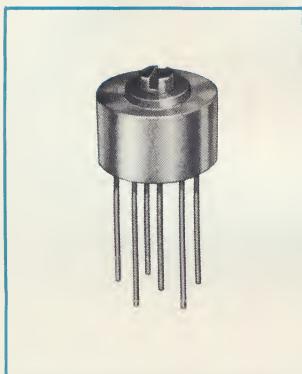
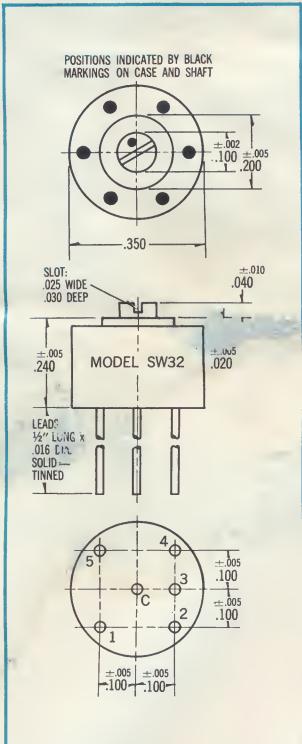
- **Both models:** Single pole, 2 to 6 positions, 60° indexing, single section.
Note: A number behind the dash (—) indicates the number of positions wanted; i.e. SW32-4
- **Electrical Rating:** 0.25 ampere 28 volts d-c maximum standard; (0.50 ampere 28 volts d-c maximum available on request; 1.00 amperes with limited duty cycle also available).
- **Dielectric Strength:** 500 volts d-c (case-to-contact and contact-to-contact) before and after life at rated load.
- **Leakage Resistance:** Greater than 1,000 meg-ohms (case-to-contact and contact-to-contact) before and after life at rated load.
- **Capacitances:**
Open contact to case: less than $1 \mu\mu f$.
Closed contact to case: less than $5 \mu\mu f$.
Contact to contact (both open): less than $1 \mu\mu f$.
Contact to contact (one closed): less than $2 \mu\mu f$.
- **Action:** detent action, 60° indexing.
- **Mounting:** panel mounting and printed-circuit mounting. Stainless-steel nuts and lockwashers will be supplied as standard mounting hardware for bushing type. Specially indexed dial-plates for Model SW37 are also available.
- **Contacts:** break-before-make

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MINIATURE ELECTRONIC COMPONENTS CORP.
600 South Street Holbrook, Massachusetts

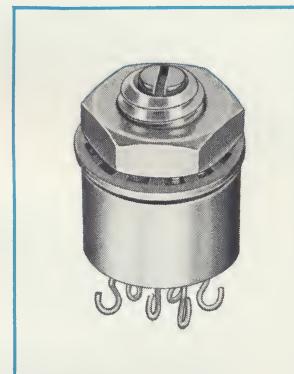
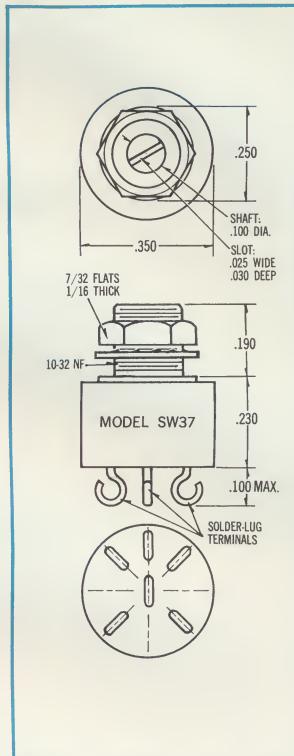
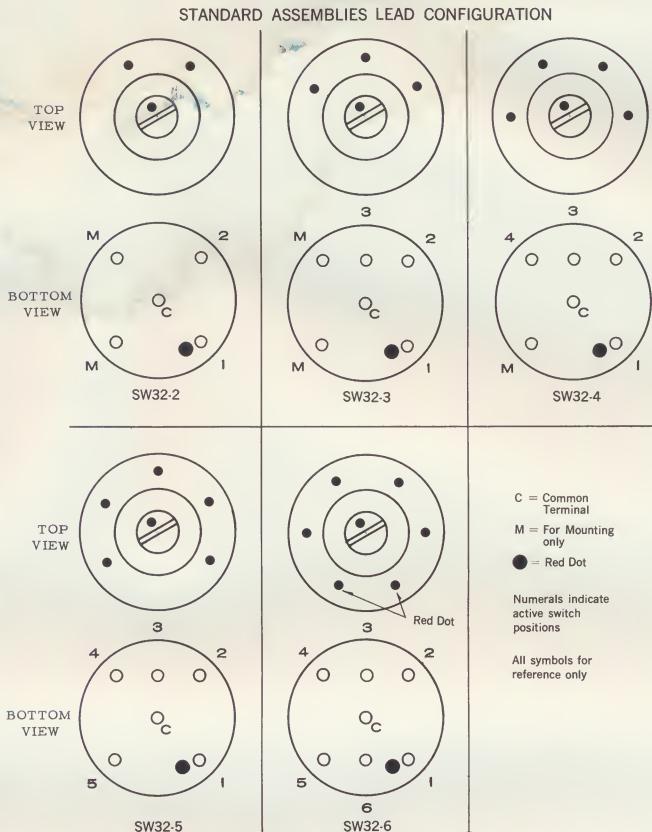
Tel.: 963-7717, Area 617 TWX: 617-963-7660

REPRESENTED BY



ENVIRONMENTAL CHARACTERISTICS:

- **Temperature:** from -65°C to $+125^{\circ}\text{C}$.
- **Humidity:** 95% relative humidity.
- **Vibration:** 20 G's 10 to 2,000 cycles.
- **Shock:** 50 G's.



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Micro-Miniature

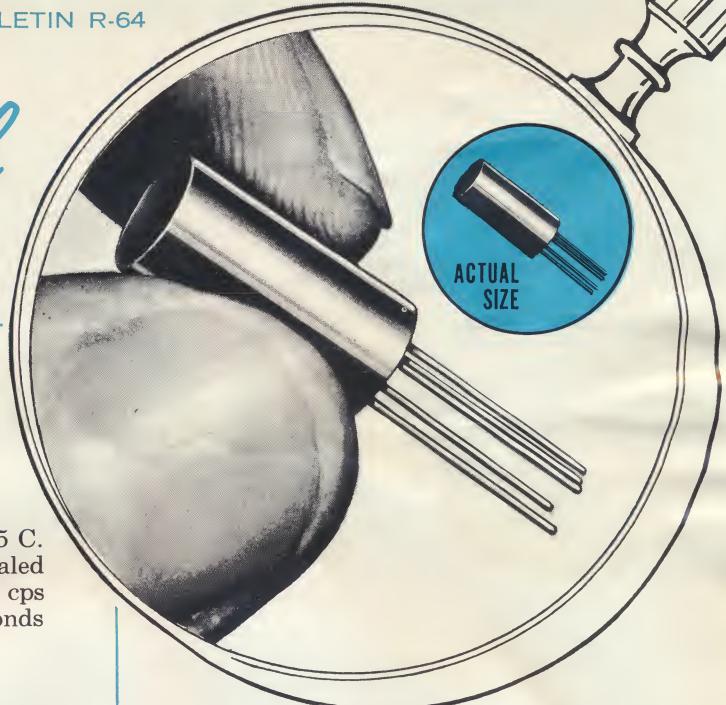
DRY-CIRCUIT

1/4-INCH RELAY**\$20 (for one)**

- Only $\frac{1}{4}$ -inch in diameter
- Single-pole double-throw
- High performance under environmental extremes
- Competitively priced

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	—65 C. to +125 C.
Humidity	Not applicable, hermetically sealed
Vibration	20G. 5-2000 cps
Shock	50G, 11 milliseconds



MECHANICAL SPECIFICATIONS

Size	$\frac{1}{4}$ " diam., $\frac{1}{2}$ " long
Weight	0.075 oz.
Case	Epoxy-coated metal
Contacts: Single Form C (SPDT)	
Mounting	cylindrical, glass header, hermetically sealed
5 leads 60° apart on .120" diam.	Operating time: less than 2.5 ms
Insulation	Release time: less than 2.5 ms
Teflon®, KEL-F®, Glass	Life: 100,000 cycles at rated load

ELECTRICAL SPECIFICATIONS

COIL (at room temperature) for standard voltages

Max. continuous power	0.315 watt	Max. pull-in power	0.140 watt
Max. intermittent power	0.368 watt	Min. drop-out power	0.024 watt

Insulation Test: 500 volts, d-c

Insulation R (coil to case or contacts) : 1,000 megohms

Power at rated voltage (for standard 6, 12, 24, or 28 volts d-c) : 0.280 watt

Note: Other power ratings available on special order.

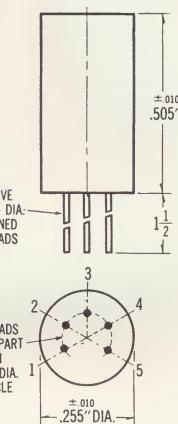
CONTACTS:

Current: Specify load current for optimum choice of materials (max. 50 millamps).

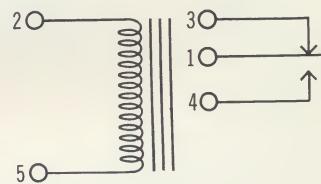
Voltage: 28 volts non-ind. max.

COIL (at room temperature)

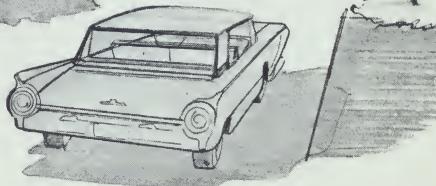
	6 v.d-c	12 v.d-c	24 v.d-c	28 v.d-c		6 v.d-c	12 v.d-c	24 v.d-c	28 v.d-c
Nominal resistance	130 ohm	520 ohm	1950 ohm	2800 ohm	—	—	—	—	—
Max. continuous V.	6.4 v	13 v	25.5 v	30 v	Max. continuous I.	49 ma.	25 ma.	13 ma.	10.5 ma.
Max. intermittent V.	6.8 v	14 v	27 v	32 v	Max. intermittent I.	53 ma.	27 ma.	13.8 ma.	11.5 ma.
Max. pull-in V.	4.3 v	9 v	16 v	20 v	Max. pull-in I.	33 ma.	17 ma.	8.2 ma.	7 ma.
Min. drop-out V.	1.8 v	3.5 v	7 v	8 v	Min. drop-out I.	14 ma.	7 ma.	3.5 ma.	3 ma.



LEAD IDENTIFICATION



- Common contact
- Coil
- Normally closed contact
- Normally open contact
- Coil


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